RAW SEQUENCE LISTING

EFS

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/569,814A
Source: IFW0
Date Processed by STIC: 11/20/06

ENTERED

IFWO

RAW SEQUENCE LISTING DATE: 11/20/2006
PATENT APPLICATION: US/10/569,814A TIME: 13:52:41

Input Set : N:\efs\10569814a_efs\pto_da.txt
Output Set: N:\CRF4\11202006\J569814A.raw

3 <110> APPLICANT: TAKARA BIO INC.
5 <120> TITLE OF INVENTION: Method of screening functional nucleotide molecule
7 <130> FILE REFERENCE: 664687
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/569,814A
C--> 9 <141> CURRENT FILING DATE: 2006-02-28
9 <150> PRIOR APPLICATION NUMBER: JP 2003-307624
10 <151> PRIOR FILING DATE: 2003-08-29
12 <160> NUMBER OF SEQ ID NOS: 28
14 <210> SEQ ID NO: 1
15 <211> LENGTH: 907
16 <212> TYPE: DNA
17 <213> ORGANISM: Mus musculus
19 <400> SEQUENCE: 1
20 tagcatctcc gagagtttaa agctgaggag gcgggttcat gaaactgata aaaactgctc 60
21 agaaggatta tatcaaggag gcccattttg ctgtcaacca tgccaacctg gtaaaaaaaa 120
22 agttgaggac tgcaaaatga atgggggtac accaacctgt gccccatgca cagaagggaa 180
23 ggagtacatg gacaagaacc attatgctga taaatgcaga agatgcacac tctgcgatga 240
24 agagcatggt ttagaagtgg aaacaaactg caccctgacc cagaatacca agtgcaagtg 300
25 caaaccagac ttctactgcg attctcctgg ctgtgaacac tgtgttcgct gcgcctcgtg 360
26 tgaacatgga acccttgagc catgcacagc aaccagcaat acaaactgca ggaaacaaag 420
27 tcccagaaat cgcctatggt tgttgaccat ccttgttttg ttaattccac ttgtatttat 480
28 atatcgaaag taccggaaaa gaaagtgctg gaaaaggaga caggatgacc ctgaatctag 540
29 aacctccagt cgtgaaacca taccaatgaa tgcctcaaat cttagcttga gtaaatacat 600
30 cccgagaatt gctgaagaca tgacaatcca ggaagctaaa aaatttgctc gagaaaataa 660
31 catcaaggag ggcaagatag atgagatcat gcatgacagc atccaagaca cagctgagca 720
32 gaaagtccag ctgctcctgt gctggtacca atctcatggg aagagtgatg catatcaaga 780
33 tttaatcaag ggtctcaaaa aagccgaatg tcgcagaacc ttagataaat ttcaggacat 840
34 ggtccagaag gaccttggaa aatcaacccc agacactgga aatgaaaatg aaggacaatg 900
35 tctggag 907
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 21
39 <212> TYPE: DNA
40 <213> ORGANISM: Artificial Sequence
42 <220> FEATURE:
43 <223> OTHER INFORMATION: Chimeric oligonucleotide designed as RNA2-1. "nucleotides 1 to 19 are
44 ribonucleotides-other nucleotides are deoxyribonucleotides"
46 <400> SEQUENCE: 2
47 gugcaagugc aaaccagact t 21
49 <210> SEQ ID NO: 3
50 <211> LENGTH: 21
51 <212> TYPE: DNA
52 <213> ORGANISM: Artificial Sequence
54 <220> FEATURE:

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Input Set : N:\efs\10569814a_efs\pto.da.txt
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55 <223> OTHER INFORMATION: Chimeric oligonucleotide designed as RNA2-2. "nucleotides 1 to 19 are
56 ribonucleotides-other nucleotides are deoxyribonucleotides"
58 <400> SEQUENCE: 3
59 gucugguuug cacuugcact t 21
61 <210> SEQ ID NO: 4
62 <211> LENGTH: 21
63 <212> TYPE: DNA
64 <213> ORGANISM: Artificial Sequence
66 <220> FEATURE:
67 <223> OTHER INFORMATION: Chimeric oligonucleotide designed as RNA3-1. "nucleotides 1 to 19 are
68 ribonucleotides-other nucleotides are deoxyribonucleotides"
70 <400> SEQUENCE: 4
71 agccgaaugu cgcagaacct t 21
73 <210> SEQ ID NO: 5
74 <211> LENGTH: 21
75 <212> TYPE: DNA
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: Chimeric oligonucleotide designed as RNA3-2. "nucleotides 1 to 19 are
80 ribonucleotides-other nucleotides are deoxyribonucleotides"
82 <400> SEQUENCE: 5
83 gguucugcga cauucggcut t 21
85 <210> SEQ ID NO: 6
86 <211> LENGTH: 21
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: Chimeric oligonucleotide designed as RNA4-1. "nucleotides 1 to 19 are
92 ribonucleotides-other nucleotides are deoxyribonucleotides"
94 <400> SEQUENCE: 6
95 aagccgaaug ucgcagaact t 21
97 <210> SEQ ID NO: 7
98 <211> LENGTH: 21
99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Chimeric oligonucleotide designed as RNA4-2. "nucleotides 1 to 19 are
104 ribonucleotides-other nucleotides are deoxyribonucleotides"
106 <400> SEQUENCE: 7
107 guucugcgac auucggcuut t 21
109 <210> SEQ ID NO: 8
110 <211> LENGTH: 21
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Chimeric oligonucleotide designed as RNA5-1. "nucleotides 1 to 19 are
116 ribonucleotides-other nucleotides are deoxyribonucleotides"

118 <400> SEQUENCE: 8
119 ggauuauauc aaggaggcct t 21

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Input Set : **N:\efs\10569814a_efs\pto.da.txt**
Output Set: **N:\CRF4\11202006\J569814A.raw**

121 <210> SEQ ID NO: 9
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123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Chimeric oligonucleotide designed as RNA5-2. "nucleotides 1 to 19 are
128 ribonucleotides-other nucleotides are deoxyribonucleotides""
130 <400> SEQUENCE: 9
131 ggccuccuug auauaaucct t 21
133 <210> SEQ ID NO: 10
134 <211> LENGTH: 21
135 <212> TYPE: DNA
136 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
139 <223> OTHER INFORMATION: Chimeric oligonucleotide designed as RNA6-1. "nucleotides 1 to 19 are
140 ribonucleotides-other nucleotides are deoxyribonucleotides"
142 <400> SEQUENCE: 10
143 aucgccuaug guuguugact t 21
145 <210> SEQ ID NO: 11
146 <211> LENGTH: 21
147 <212> TYPE: DNA
148 <213> ORGANISM: Artificial Sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: Chimeric oligonucleotide designed as RNA6-2. "nucleotides 1 to 19 are
152 ribonucleotides-other nucleotides are deoxyribonucleotides"
154 <400> SEQUENCE: 11
155 gucaacaacc auaggcgaut t 21
157 <210> SEQ ID NO: 12
158 <211> LENGTH: 19
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Designed PCR primer to amplify a portion of mouse Fas gene.
165 <400> SEQUENCE: 12
166 cacagttaag agttcatac 19
168 <210> SEQ ID NO: 13
169 <211> LENGTH: 19
170 <212> TYPE: DNA
171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Designed PCR primer to amplify a portion of mouse Fas gene.
176 <400> SEQUENCE: 13
177 tggttgctgt gcatggctc 19
179 <210> SEQ ID NO: 14
180 <211> LENGTH: 36
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: Designed PCR primer rsGFP-1 to amplify a portion of rsGFP gene.

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Input Set : N:\efs\10569814a_efs\pto.da.txt
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187 <400> SEQUENCE: 14
188 cagtcacgac tctagaaaag gagaagaact cttcac 36
190 <210> SEQ ID NO: 15
191 <211> LENGTH: 38
192 <212> TYPE: DNA
193 <213> ORGANISM: Artificial Sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: Designed PCR primer rsGFP-2 to amplify a portion of rsGFP gene.
198 <400> SEQUENCE: 15
199 cagtcacgac gctagcagtt gtacagttca tccatgcc 38
201 <210> SEQ ID NO: 16
202 <211> LENGTH: 741
203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <223> OTHER INFORMATION: rsGFP gene
209 <400> SEQUENCE: 16
210 cagtcacgac tctagaaaag gagaagaact cttcactgga gttgtcccaa ttcttgttga 60
211 attagatggt gatgttaacg gccacaagtt ctctgtcagt ggagagggtg aaggtgatgc 120
212 aacatacgga aaacttaccc tgaagttcat ctgcactact ggcaaactgc ctgttccatg 180
213 gccaacacta gtcactactc tgtgctatgg tgttcaatgc ttttcaagat acccggatca 240
214 tatgaaacgg catgactttt tcaagagtgc catgcccgaa ggttatgtac aggaaaggac 300
215 catcttcttc aaagatgacg gcaactacaa gacacgtgct gaagtcaagt ttgaaggtga 360
216 tacccttgtt aatagaatcg agttaaaagg tattgacttc aaggaagatg gcaacattct 420
217 gggacacaaa ttggaataca actataactc acacaatgta tacatcatgg cagacaaaca 480
218 aaagaatgga atcaaagtga acttcaagac ccgccacaac attgaagatg gaagcgttca 540
219 actagcagac cattatcaac aaaatactcc aattggcgat ggccctgtcc ttttaccaga 600
220 caaccattac ctgtccacac aatctgccct ttcgaaagat cccaacgaaa agagagacca 660
221 catggtcctt cttgagtttg taacagctgc tgggattaca catggcatgg atgaactgta 720
222 caactgctag cgtcgtgact g 741
224 <210> SEQ ID NO: 17
225 <211> LENGTH: 21
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: Chimeric oligonucleotide designed as RNA7-1. "nucleotides 1 to 19 are
231 ribonucleotides-other nucleotides are deoxyribonucleotides"
233 <400> SEQUENCE: 17
234 aagagagacc acauggucct t 21
236 <210> SEQ ID NO: 18
237 <211> LENGTH: 21
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: Chimeric oligonucleotide designed as RNA7-2. "nucleotides 1 to 19 are
243 ribonucleotides-other nucleotides are deoxyribonucleotides"
245 <400> SEQUENCE: 18
246 ggaccaugug gucucucuut t 21
248 <210> SEQ ID NO: 19

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Input Set : N:\efs\10569814a_efs\pto.da.txt
Output Set: N:\CRF4\11202006\J569814A.raw

249 <211> LENGTH: 21
250 <212> TYPE: DNA
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: Chimeric oligonucleotide designed as RNA8-1. "nucleotides 1 to 19 are
255 ribonucleotides-other nucleotides are deoxyribonucleotides"
257 <400> SEQUENCE: 19
258 gcguucaacu agcagaccat t 21
260 <210> SEQ ID NO: 20
261 <211> LENGTH: 21
262 <212> TYPE: DNA
263 <213> ORGANISM: Artificial Sequence
265 <220> FEATURE:
266 <223> OTHER INFORMATION: Chimeric oligonucleotide designed as RNA8-2. "nucleotides 1 to 19 are
267 ribonucleotides-other nucleotides are deoxyribonucleotides"
269 <400> SEQUENCE: 20
270 uggucugcua guugaacgct t 21
272 <210> SEQ ID NO: 21
273 <211> LENGTH: 21
274 <212> TYPE: DNA
275 <213> ORGANISM: Artificial Sequence
277 <220> FEATURE:
278 <223> OTHER INFORMATION: Chimeric oligonucleotide designed as RNA9-1. "nucleotides 1 to 19 are
279 ribonucleotides-other nucleotides are deoxyribonucleotides"
281 <400> SEQUENCE: 21
282 agagagacca caugguccut t 21
284 <210> SEQ ID NO: 22
285 <211> LENGTH: 21
286 <212> TYPE: DNA
287 <213> ORGANISM: Artificial Sequence
289 <220> FEATURE:
290 <223> OTHER INFORMATION: Chimeric oligonucleotide designed as RNA9-2. "nucleotides 1 to 19 are
291 ribonucleotides-other nucleotides are deoxyribonucleotides"
293 <400> SEQUENCE: 22
294 aggaccaugu ggucucucut t 21
296 <210> SEQ ID NO: 23
297 <211> LENGTH: 21
298 <212> TYPE: DNA
299 <213> ORGANISM: Artificial Sequence
301 <220> FEATURE:
302 <223> OTHER INFORMATION: Chimeric oligonucleotide designed as RNA10-1. "nucleotides 1 to 19 are
303 ribonucleotides-other nucleotides are deoxyribonucleotides"
305 <400> SEQUENCE: 23
306 guucucuguc aguggagagt t 21
308 <210> SEQ ID NO: 24
309 <211> LENGTH: 21
310 <212> TYPE: DNA
311 <213> ORGANISM: Artificial Sequence

313 <220> FEATURE:

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 11/20/2006
PATENT APPLICATION: **US/10/569,814A** TIME: 13:52:42

Input Set : **N:\efs\10569814a_efs\pto.da.txt**
Output Set: **N:\CRF4\11202006\J569814A.raw**

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:27; Line(s) 348
Seq#:28; Line(s) 359

VERIFICATION SUMMARY DATE: 11/20/2006
PATENT APPLICATION: **US/10/569,814A** TIME: 13:52:42

Input Set : **N:\efs\10569814a_efs\pto.da.txt**
Output Set: **N:\CRF4\11202006\J569814A.raw**

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date